

## SEQUENCE LISTING

- 5 <110> Andrade-Gordon, Patricia  
Darrow, Andrew L.  
Qi, Jenson
- 10 <120> DNA encoding human serine protease C-E
- 15 <130> ORT-1030
- 20 <140>  
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- 25 <160> 11
- 30 <170> PatentIn Ver. 2.0
- <210> 1
- 35 <211> 1430
- <212> DNA
- 40 <213> Homo sapiens

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tgatgcctct atccacctcc ctccaaacac ccactgctgg atctcaggct gggggagcat 660

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<212> DNA

<213> Artificial Sequence

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<220>

<223> Description of Artificial Sequence: C-E catalytic

25

domain in a zymogen activated construct

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35

gtggacgagg ccgctcttgc tgcccccttt gatgatgatg acaagatcgt tgggggctat 180

gctctagagg acagcgagtg gccctggatc gtgagcatcc agaagaatgg gacccaccac 240

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40

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<223> Description of Artificial Sequence: primer

oligonucleotide

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22

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<210> 4

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<220>

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<223> Description of Artificial Sequence: primer

oligonucleotide

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<210> 5

<211> 20

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Sequence

<213> Artificial Sequence

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<223> Description of Artificial Sequence: primer

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20 <210> 6

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35 oligonucleotide

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<210> 7

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<212> PRT

<213> Homo sapiens

10

<400> 7

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15

1

5

10

15

Thr Phe Thr Ser Leu Leu Leu Leu Ala Ser Thr Ala Ile Leu Asn Ala

20

20

25

30

25

Ala Arg Ile Pro Val Pro Pro Ala Cys Gly Lys Pro Gln Gln Leu Asn

35

40

45

30

Arg Val Val Gly Gly Glu Asp Ser Thr Asp Ser Glu Trp Pro Trp Ile

50

55

60

35

Val Ser Ile Gln Lys Asn Gly Thr His His Cys Ala Gly Ser Leu Leu

65

70

75

80

40

Thr Ser Arg Trp Val Ile Thr Ala Ala His Cys Phe Lys Asp Asn Leu

85

90

95

5

Asn Lys Pro Tyr Leu Phe Ser Val Leu Leu Gly Ala Trp Gln Leu Gly

100

105

110

10

Asn Pro Gly Ser Arg Ser Gln Lys Val Gly Val Ala Trp Val Glu Pro

15

115

120

125

His Pro Val Tyr Ser Trp Lys Glu Gly Ala Cys Ala Asp Ile Ala Leu

20

130

135

140

25

Val Arg Leu Glu Arg Ser Ile Gln Phe Ser Glu Arg Val Leu Pro Ile

145

150

155

160

30

Cys Leu Pro Asp Ala Ser Ile His Leu Pro Pro Asn Thr His Cys Trp

165

170

175

35

Ile Ser Gly Trp Gly Ser Ile Gln Asp Gly Val Pro Leu Pro His Pro

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185

190

40





Arg Ala Pro Ser Gln Gly Ser Gly Ala Ala Ala Arg Ser

305

310

315

5

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: C-E catalytic

domain fusion protien

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1

5

10

15

35

Val Val Ser Asn Leu Leu Leu Cys Gln Gly Val Val Ser Asp Tyr Lys

20

25

30

40

Asp Asp Asp Asp Val Asp Ala Ala Ala Leu Ala Ala Pro Phe Asp Asp

35                                      40                                      45  
 5    Asp Asp Lys Ile Val Gly Gly Tyr Ala Leu Glu Asp Ser Glu Trp Pro  
      50                                      55                                      60  
 10    Trp Ile Val Ser Ile Gln Lys Asn Gly Thr His His Cys Ala Gly Ser  
      65                                      70                                      75                                      80  
 15    Leu Leu Thr Ser Arg Trp Val Ile Thr Ala Ala His Cys Phe Lys Asp  
    85                                      90                                      95  
 20    Asn Leu Asn Lys Pro Tyr Leu Phe Ser Val Leu Leu Gly Ala Trp Gln  
 25                                      100                                      105                                      110  
 30    Leu Gly Asn Pro Gly Ser Arg Ser Gln Lys Val Gly Val Ala Trp Val  
    115                                      120                                      125  
 35    Glu Pro His Pro Val Tyr Ser Trp Lys Glu Gly Ala Cys Ala Asp Ile  
    130                                      135                                      140  
 40    Ala Leu Val Arg Leu Glu Arg Ser Ile Gln Phe Ser Glu Arg Val Leu

5 Pro Ile Cys Leu Pro Asp Ala Ser Ile His Leu Pro Pro Asn Thr His  
165 170 175

10 Cys Trp Ile Ser Gly Trp Gly Ser Ile Gln Asp Gly Val Pro Leu Pro  
180 185 190

15 His Pro Gln Thr Leu Gln Lys Leu Lys Val Pro Ile Ile Asp Ser Glu  
195 200 205

20 Val Cys Ser His Leu Tyr Trp Arg Gly Ala Gly Gln Gly Pro Ile Thr  
210 215 220

25 Glu Asp Met Leu Cys Ala Gly Tyr Leu Glu Gly Glu Arg Asp Ala Cys  
225 230 235 240

30 Leu Gly Asp Ser Gly Gly Pro Leu Met Cys Gln Val Asp Gly Ala Trp  
245 250 255

35 Leu Leu Ala Gly Ile Ile Ser Trp Gly Glu Gly Cys Ala Glu Arg Asn

260 265 270

5 Arg Pro Gly Val Tyr Ile Ser Leu Ser Ala His Arg Ser Trp Val Glu

275 280 285

10 Lys Ile Val Gln Gly Val Gln Leu Arg Gly Arg Ala Gln Gly Gly Gly

290 295 300

15 Ala Leu Arg Ala Pro Ser Gln Gly Ser Gly Ala Ala Ala Arg Ser Ser

305 310 315 320

20 Arg His His His His His His

25 325

30

<210> 9

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35 <212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: nested primer

oligonucleotide

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<210> 10

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<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: primer

oligonucleotide

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<211> 33

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<212> DNA

Sequence Listing

<213> Artificial Sequence

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<223> Description of Artificial Sequence: primer

oligonucleotide

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